



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                                 |   |                      |
|---------------------------------|---|----------------------|
| In re Application of:           | § |                      |
|                                 | § |                      |
| Gal BEN-DAVID et al             | § |                      |
|                                 | § |                      |
| Serial No.: 09/727,464          | § |                      |
|                                 | § |                      |
| Filed: December 4, 2000         | § | Group Art Unit: 3737 |
|                                 | § |                      |
| For: RADIOACTIVE EMISSION       | § |                      |
| DETECTOR EQUIPPED WITH A        | § |                      |
| POSITION TRACKING SYSTEM        | § |                      |
| AND UTILIZATION THEREOF         | § |                      |
| WITH MEDICAL SYSTEMS AND        | § |                      |
| IN MEDICAL PROCEDURES           | § | Attorney             |
|                                 | § | Docket: 00/21303     |
| Examiner: John Fernando Ramirez | § |                      |

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**RESPONSE TO OFFICE ACTION AND SUBSTANCE OF INTERVIEW**

Sir:

This is in response to the United States Patent and Trademark Office Action mailed December 23, 2008, and a telephonic interview conducted on June 4, 2009, which response is being made on June 23, 2009, and for which a three month extension of time fee is due and enclosed herewith.

**Amendments to the claims** begin on page 2

**Remarks** begin on page 11

Please amend the above-identified application as follows: